

WHAT IS CLAIMED IS:

1. An apparatus for homogeneously distributing lights, comprising:

a light guide plate;

an incidence microstructure being arranged on a surface of the light guide plate

5 and opposite to a light source; and

an emergence microstructure, the emergence microstructure being arranged on a surface of the light guide plate opposite to the incidence microstructure;

wherein the lights emitted by the light source pass through said apparatus thereby being homogeneously distributed.

10 2. The apparatus as claimed in claim 1, wherein the incidence microstructure is a continuous structure or a discontinuous structure having a triangle cross-section and longitudinally arranged along the light source.

3. The apparatus as claimed in claim 1, wherein the emergence microstructure is a continuous structure or a discontinuous structure having a triangle cross-section and
15 longitudinally arranged along the light source.

4. The apparatus as claimed in claim 1, wherein the emergence microstructure is a micro lens array structure.

5. The apparatus as claimed in claim 4, wherein the micro lens array structure is a structure selected from the groups consisting of honeycombed structure, circular dot
20 structure and irregular structure.

6. The apparatus as claimed in claim 1, wherein the light source is a plurality of lamp.

7. The apparatus as claimed in claim 1, wherein the light guide plate is made of one of a light transmitting polymer material and a semi light transmitting polymer
25 material.

8. The apparatus as claimed in claim 1, wherein the apparatus is applied to a backlight module of an LCD panel.